A2120-5A

The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

1275 K Street, N.W., #400
Washington, D.C. 20005
(202) 371-5200

FOR THE MONTH AND PERIOD ENDED

NOVEMBER 30, 1990

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING & THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

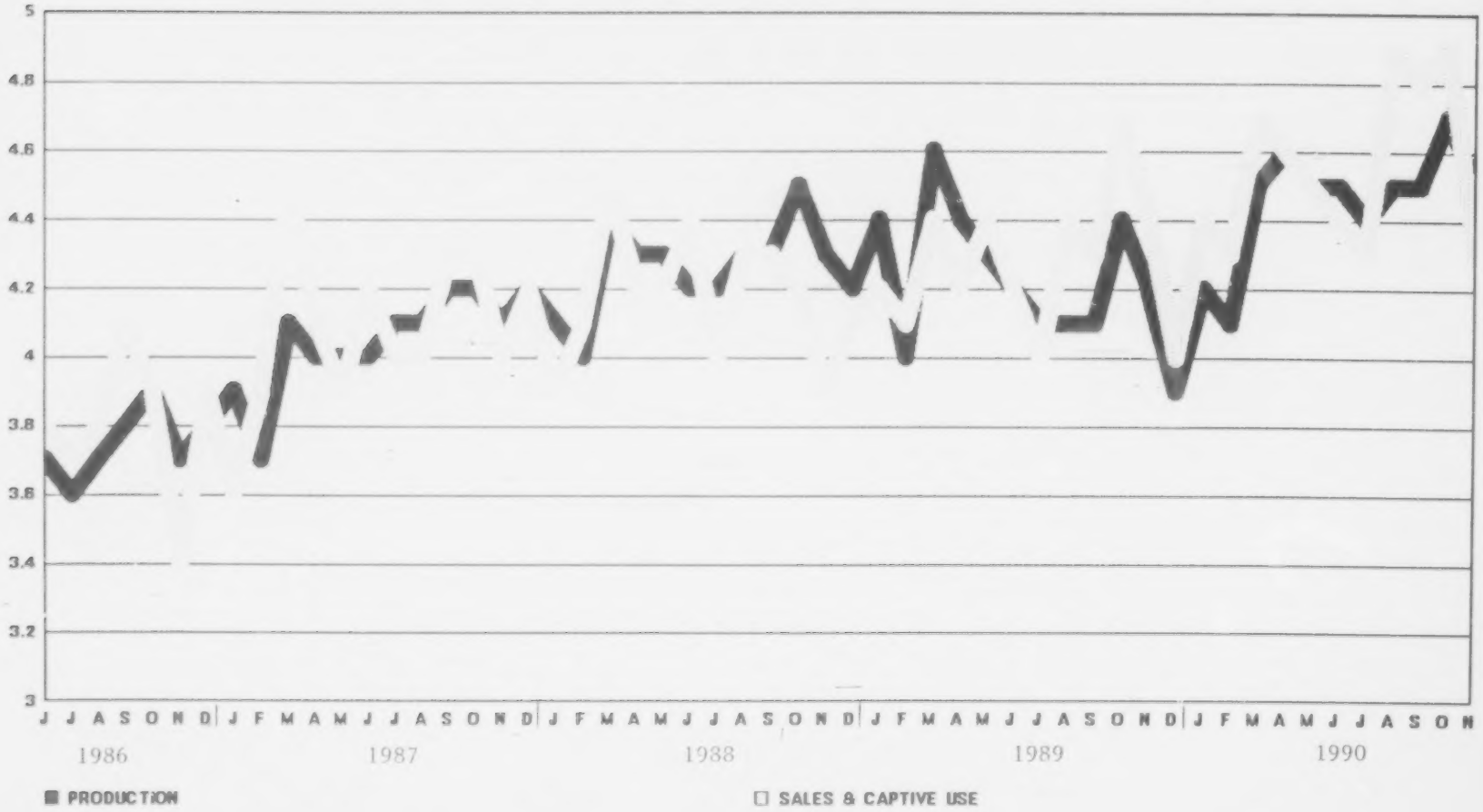
Release Date: January 15, 1991

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(BILLIONS OF POUNDS)

NOVEMBER 1990



THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

MONTHLY STATISTICAL REPORT

(Thousands of pounds, dry weight basis)(1)

NOVEMBER 1990

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	38,910	34,740	12.0	450,056	445,727	1.0	40,403	45,576	-11.4	464,332	474,351	-2.1
POLYESTER (UNSATURATED) RESINS, TOTAL	80,084	97,737	-18.1	1,143,220	1,219,418	-6.2	81,886	99,834	-18.0	1,153,817	1,234,069	-6.5
UREA RESINS, TOTAL	101,923	122,275	-16.6	1,342,216	1,346,993	-0.4	107,882	124,313	-13.2	1,397,928	1,356,478	3.1
MELAMINE RESINS, TOTAL	14,200	16,440	-13.6	162,268	198,275	-18.2	16,939	17,639	-4.0	186,591	205,553	-9.2
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	208,604	228,114	-8.6	2,722,549	2,641,943	3.1	213,322	226,040	-5.6	2,744,326	2,657,836	3.3
THERMOSETTING RESINS, TOTAL	443,721	499,306	-11.1	5,820,309	5,852,356	-0.5	460,432	513,402	-10.3	5,946,994	5,928,287	0.3
LOW-DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	594,304	624,244	-4.8	6,606,883	6,343,647	4.1	613,645	561,601	9.3	6,688,444 R	6,055,389	10.5
LINEAR-LOW DENSITY POLYETHYLENE (0.940 & BELOW), TOTAL (6)	396,865	386,919	2.6	4,346,728	3,529,503	23.2	363,220	263,442	37.9	3,498,694	2,835,273	23.4
HIGH-DENSITY POLYETHYLENE (ABOVE 0.940), TOTAL	724,795	729,744	-0.7	7,852,916	7,548,046	4.0	741,727	675,711	9.8	7,597,491	7,521,811	1.0
POLYPROPYLENE, TOTAL	724,509	623,550	16.2	7,623,400 R	6,718,462	13.5	758,764	579,091	31.0	7,652,796 R	6,649,957	15.1
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	78,764	85,036	-7.4	1,089,426	1,134,098	-3.9	91,083	70,703	28.8	1,084,515	1,173,804	-7.6
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	8,457	7,397	14.3	125,180	100,457	24.6	9,957	6,323	57.5	123,802	104,773	18.2
POLYSTYRENE RESINS, TOTAL	376,524	432,904	-13.0	4,781,795 R	4,775,163	0.1	382,329	413,945	-7.6	4,626,331 R	4,701,757	-1.6
STYRENE BASED LATEXES, TOTAL ***	87,907	86,000	2.2	1,001,923	954,756	4.9	82,756	87,189	-5.1	948,236	922,748	2.8
OTHER STYRENICS, TOTAL (40% or More Styrene)	12,503	11,467	9.0	139,615	141,523	-1.3	12,752	8,934	42.7	132,059	126,204	4.6
NYLON RESINS (6)	50,078	49,342	1.5	536,693	539,215	-0.5	38,017	44,111	-13.8	519,993	526,233	-1.2
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	656,661	726,736	-9.6	8,388,176	7,876,434	6.5	741,759	741,336	0.1	8,363,649	7,863,825	6.4
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)	N/A	N/A		N/A	N/A		N/A	N/A		N/A	N/A	
POLYVINYL ALCOHOL, TOTAL (3)	D	D		D	D		D	D		D	D	
OTHER VINYL RESINS (4)	18,877	15,631	20.8	176,690	182,926	-3.4	19,550	17,490	11.8	204,059	202,434	0.8
THERMOPLASTIC POLYESTER, TOTAL (6)	155,931	145,872	6.9	1,731,155	1,559,031	11.0	159,715	127,678	25.1	1,712,792	1,485,196	15.3
THERMOPLASTIC RESINS, TOTAL	3,886,175	3,924,842	-1.0	44,400,580 R	41,403,261	7.2	4,015,274	3,597,554	11.6	43,152,861 R	40,169,404	7.4
GRAND TOTAL	4,329,896	4,424,148	-2.1	50,220,889 R	47,255,617	6.3	4,475,706	4,110,956	8.9	49,099,855 R	46,097,691	6.5

(1) = Except phenolic resins which are reported on a gross weight basis.

*** = Sales and Captive Use figures include some Canadian produced materials.

(2) = The publishing of PVAC has been suspended.

D = Disclosure.

N/A = Not Available.

(3) = The publishing of PVOH data has been suspended.

(4) = Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

(6) = Data Includes Sales from Imports.

R = Revision.

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

Copyright 1990 The Society of the Plastics Industry, Inc.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG	1990	1989	% CHG
EPOXY RESIN, TOTAL	38,910	34,740	12.0	450,056	445,727	1.0	40,403	45,576	-11.4	464,332	474,351	-2.1
Exports, Total	8,162	5,275	54.7	77,832	77,320	0.7						
Captive Use, Total	1,550	1,482	4.6	15,258	16,837	-9.4						
Domestic Sales, Total	29,198	27,983	4.3	356,966	351,570	1.5						
Domestic Sales & Captive Use,Total	30,748	29,465	4.4	372,224	368,407	1.0						
Bonding & Adhesives	2,174	1,810	20.1	26,263	22,978	14.3						
Flooring, Paving & Exposed Aggregate	1,985	1,729	14.8	25,026	22,785	9.8						
Protective Coatings	14,591	14,748	-1.1	183,895	178,674	2.9						
Fiber Reinforced Laminates & Composites	6,263	6,168	1.5	76,047	77,514	-1.9						
FRL&C for Printed Wiring Board	3,905	4,095	-4.6	49,256	53,141	-7.3						
All Other FRL&C	2,358	2,073	13.7	26,791	24,373	9.9						
Tooling, Casting & Molded Resins	2,210	2,083	6.1	26,419	27,749	-4.8						
All Other Uses	3,525	2,927	20.4	34,574	38,707	-10.7						
POLYESTER (UNSATURATED) RESINS, TOTAL (E)	80,084	97,737	-18.1	1,143,220	1,219,418	-6.2	81,886	99,834	-18.0	1,153,817	1,234,069	-6.5
Total Exports	1,656	1,663	-0.4	20,012	22,886	-12.6						
Total Domestic	78,428	96,074	-18.4	1,123,208	1,196,532	-6.1						
General Purpose Resins, Total	65,981	81,807	-19.3	961,615	1,030,262	-6.7						
General Purpose - Thixotropic	23,327	33,258	-29.9	364,025	451,693	-19.4						
General Purpose - Press Molding	8,925	11,384	-21.6	130,734	122,008	7.2						
General Purpose - Panel	5,017	N/A		75,962	N/A							
General Purpose - All Other	28,712	37,165	-22.7	390,894	456,561	-14.4						
Flame Retardant Resins	1,837	2,170	-15.3	22,355	22,212	0.6						
Chemical Resistant Resins, Total	10,610	12,097	-12.3	139,238	144,058	-3.3						
Chemical Resistant Isophthalic Resins	7,219	9,058	-20.3	97,643	108,314	-9.9						
All Other Chemical Resistant Resins	3,391	3,039	11.6	41,595	35,744	16.4						
Reinforced Plastic, Total	56,718	69,442	-18.3	827,448	891,379	-7.2						
Non-Reinforced Plastics, Total	21,710	26,632	-18.5	295,760	305,153	-3.1						

(E) = Estimate – Data includes estimates for one company

N/A = Not Available

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)(1)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
UREA RESINS, TOTAL (E)	101,923	122,275	-16.6	1,342,216	1,346,993	-0.4	107,882	124,313	-13.2	1,397,928	1,356,478	3.1
MELAMINE RESINS, TOTAL (E)	14,200	16,440	-13.6	162,268	198,275	-18.2	16,939	17,639	-4.0	186,591	205,553	-9.2
UREA & MELAMINE RESINS, TOTAL (E)	116,123	138,715	-16.3	1,504,484	1,545,268	-2.6	124,821	141,952	-12.1	1,584,519	1,562,031	1.4
Total Exports	D1	D1		D1	D1							
Total Domestic	116,123	138,715	-16.3	1,504,484	1,545,268	-2.6						
Textile Coating & Treating Resins	2,067	1,931	7.0	23,240	22,952	1.3	3,387	2,556	32.5	42,351	28,918	46.5
Paper Coating & Treating Resins	3,817	4,906	-22.2	53,008	57,625	-8.0	4,023	5,236	-23.2	54,683	59,515	-8.1
Molding Compounds	D2	D2		D2	D2		D2	D2		D2	D2	
Bonding & Adhesive Resins for:	89,989	109,753	-18.0	1,177,252	1,237,127	-4.8	94,189	110,052	-14.4	1,224,606	1,231,408	-0.6
Laminating	1,132	4,446	-74.5	17,621	68,726	-74.4	1,117	3,848	-71.0	18,295	58,983	-69.0
Plywood	4,002	4,545	-11.9	54,398	61,4[illegible]	-11.5	4,040	4,694	-13.9	54,841	63,034	-13.0
Fibrous & Granulated Wood (Particle Board)	84,855	100,762	-15.8	1,105,233	1,106,902	-0.2	89,032	101,510	-12.3	1,151,470	1,109,391	3.8
Protective Coatings (Straight & Modified)	8,804	8,654	1.7	96,637	100,882	-4.2	12,041	10,950	10.0	126,706	125,901	0.6
All Other Uses	11,446	13,471	-15.0	154,347	126,682	21.8	11,181	13,158	-15.0	136,173	116,289	17.1
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	208,604	228,114	-8.6	2,722,549	2,641,943	3.1	213,322	226,040	-5.6	2,744,326	2,657,836	3.3
Total Exports	944	2,470	-61.8	20,684	17,585	17.6						
Total Domestic	207,660	225,644	-8.0	2,701,865	2,624,358	3.0						
Molding Compounds	13,582	13,573	0.1	156,911	163,892	-4.3	14,038	13,798	1.7	171,110	174,401	-1.9
Bonding & Adhesive Resins for:	190,994	207,221	-7.8	2,507,396	2,418,876	3.7	194,835	206,549	-5.7	2,528,904	2,436,257	3.8
Laminating	11,334	17,213	-34.2	157,488	202,224	-22.1	11,649	16,406	-29.0	158,240	207,156	-23.6
Coated & Bonded Abrasives	2,129	1,200	77.4	24,857	21,450	15.9	2,513	1,992	26.2	24,309	23,800	2.1
Friction Materials	2,873	3,583	-19.8	43,221	38,170	13.2	3,956	2,540	55.7	44,535	39,201	13.6
Insulation Materials	32,721	30,561	7.1	378,474	384,125	-1.5	33,859	30,494	11.0	390,744	388,695	0.5
Foundry & Shell Molding	6,015	6,863	-12.4	74,017	52,836	40.1	6,167	7,421	-16.9	74,178	54,029	37.3
Plywood	D3	116,822	-	D3	1,349,014		D3	116,439		D3	1,348,736	
Fibrous and Granulated Wood	D3	D3		D3	D3		D3	D3		D3	D3	
Resins Sold to Rubber Industry	D3	690		D3	12,422		D3	769		D3	13,057	
All Other	135,922	30,289	N/C	1,829,339	358,635	N/C	136,691	30,488	N/C	1,836,898	361,583	N/C
Protective Coatings - Unmodified & Modified	D2	1,937		D2	12,487		D2	3,224		D2	13,476	
Resins Sold to Rubber Ind. - Non Adhesive Uses	D2	D2		D2	D2		D2	D2		D2	D2	
All Other Uses	3,084	2,913	N/C	37,558	29,103	N/C	4,449	2,469	N/C	44,312	33,702	N/C

(E) = Estimate - Data includes estimates for one company.
D1 = Disclosure: Included in Domestic, Total and All Other Uses.
D2 = Disclosure: Included in All Other Uses.
D3 = Disclosure: Included in All Other Bonding & Adhesive Resins.

(1) = Phenolic is on a Gross Weight Basis.
N/C = Not Comparable.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
LOW DENSITY POLYETHYLENE - 0.940 & BELOW, TOTAL (6)	594,304	624,244	-4.8	6,606,883	6,343,647	4.1	629,241	575,518	9.3	6,863,942 R	6,165,167	11.3
Imports, Total							15,596	13,917	12.1	175,498	109,778	59.9
Exports, Total	86,565	94,789	-8.7	798,347	846,122	-5.6						
Domestic, Total	507,739	529,455	-4.1	5,808,536	5,497,525	5.7	613,645	561,601	9.3	6,688,444 R	6,055,389	10.5
Film (12 Mils & Below)	322,811	311,567	3.6	3,475,792	3,161,863	9.9						
Packaging Film	225,941	220,819	2.3	2,374,258	2,162,949	9.8						
Food Packaging Film	105,558	106,735	-1.1	1,100,950	1,032,948	6.6						
Non-Food Packaging Film	93,884	90,150	4.1	1,003,231	905,874	10.7						
Shrink Film	14,448	D10		151,895	D10							
Stretch Film	12,051	23,934	N/C	118,182	224,127	N/C						
Non-Packaging Film	96,870	90,748	6.7	1,101,534	998,934	10.3						
Carry-Out Bags	12,876	6,464	99.2	137,515	98,665	39.4						
Trash and Can Liners	30,552	28,123	8.6	347,272	348,631	-0.4						
Other Non-Packaging Film	53,442	56,161	-4.8	616,747	551,638	11.8						
Sheet (Over 12 Mils)	6,553	5,935	10.4	67,583	73,838	-8.5						
Injection Molding	22,447	41,758	-46.2	342,102	378,843	-9.7						
Injection Molded Lids	6,562	4,168	57.4	75,380	47,977	57.1						
Injection Molded Housewares	4,308	3,417	26.1	46,215	47,284	-2.3						
Other Injection Molding	11,577	34,173	-66.1	220,507	283,582	-22.2						
Wire and Cable	16,430	D5		215,416	D5							
Extrusion Coating	66,364	D5		714,557	D5							
Blow Molding	4,823	4,357	10.7	57,150	56,627	0.9						
Pipe and Conduit, Total	D5	D5		D5	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	7,890	96,104	N/C	85,762	980,988	N/C						
Rotomolding	D2	D2		D2	D2							
Resellers & Compounders, Total	44,781	34,756	28.8	527,796	485,412	8.7						
Resellers	29,081	23,956	21.4	366,639	366,398	0.1						
Compounders	15,700	10,800	45.4	161,157	119,004	35.4						
Adhesives and Sealants	8,912	D2		100,816	D2							
All Other Uses	6,728	34,978	N/C	221,562	359,944	N/C						

D2 = Disclosure: Included in All Other Uses.
D5 = Disclosure: Included in Other Extruded Products.
R = Revision
D10 = Disclosure: Included in Stretch Film.
(6) = Sales Include Imports.
D = Disclosure
N/C = Not Comparable

Compiled By Ernst & Young, Washington DC, for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
LINEAR LOW DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	396,865	386,919	2.6	4,346,728	3,529,503	23.2	424,772	325,705	30.4	4,287,202	3,443,231	24.5
Imports, Total							61,552	62,263	-1.1	788,508	607,958	29.7
Exports, Total	27,705	19,246	44.0	230,748	152,195	51.6						
Domestic, Total	369,160	367,673	0.4	4,115,980	3,377,308	21.9	363,220	263,442	37.9	3,498,694	2,835,273	23.4
Film (12 Mils & Below)	252,774	248,345	1.8	2,719,122	2,174,114	25.1						
Packaging Film	111,572	106,816	4.5	1,180,343	991,711	19.0						
Food Packaging Film	21,476	19,766	8.7	211,083	176,950	19.3						
Non-Food Packaging Film	62,524	58,694	6.5	660,657	560,407	17.9						
Shrink Film	D10	D10		D10	D10							
Stretch Film	27,572	28,356	-2.8	308,603	254,354	21.3						
Non-Packaging Film	141,202	141,529	-0.2	1,538,779	1,182,403	30.1						
Carry-Out Bags	20,687	19,103	8.3	230,925	179,626	28.6						
Trash and Can Liners	92,697	98,306	-5.7	1,006,639	810,680	24.2						
Other Non-Packaging Film	27,818	24,120	15.3	301,215	192,097	56.8						
Sheet (Over 12 Mils)	3,179	1,176	170.3	20,386	25,520	-20.1						
Injection Molding	40,223	39,387	2.1	502,341	402,187	24.9						
Injection Molded Lids	11,052	16,350	-32.4	165,194	189,090	-12.6						
Injection Molded Housewares	20,425	14,224	43.6	222,607	143,832	54.8						
Other Injection Molding	8,746	8,813	-0.8	114,540	69,265	65.4						
Wire and Cable	8,317	D5		124,654	D5							
Extrusion Coating	D5	D5		D5	D5							
Blow Molding	1,326	2,479	-46.5	24,374	18,119	34.5						
Pipe and Conduit, Total	3,510	D5		50,838	D5							
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe and Conduit	D	D		D	D							
Other Extruded Products	2,319	18,064	N/C	28,736	213,477	N/C						
Rotomolding	22,256	D2		293,006	D2							
Resellers & Compounders, Total	20,707	24,991	-17.1	234,947	193,203	21.6						
Resellers	11,861	17,131	-30.8	116,371	137,135	-15.1						
Compounders	8,846	7,860	12.5	118,576	56,068	111.5						
Adhesives and Sealants	D2	D2		D2	D2							
All Other Uses	14,549	33,231	N/C	117,576	350,688	N/C						

D2 = Disclosure: Included in All Other Uses.
D5 = Disclosure: Included in Other Extruded Products.
D10 = Disclosure: Shrink Film is Included in Stretch Film.

(6) = Sales Include Imports.

D = Disclosure
N/C = Not Comparable

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
HIGH DENSITY POLYETHYLENE – ABOVE 0.940, TOTAL	724,795	729,744	-0.7	7,852,916	7,548,048	4.0	741,727	675,711	9.8	7,597,491	7,521,811	1.0
Exports, Total	69,798	73,338	-4.8	537,052	846,073	-24.7						
Domestic, Total	654,997	656,406	-0.2	7,215,864	6,701,973	7.7						
Film (12 Mils & Below)	89,741	82,767	8.4	849,707	749,553	13.4						
Packaging Film	21,996	21,304	3.2	227,283	187,979	20.9						
Food Packaging Film	15,910	14,874	7.0	160,053	130,598	22.6						
Non-Food Packaging Film	6,086	6,430	-5.3	67,230	57,381	17.2						
Non-Packaging Film	67,745	61,463	10.2	622,424	561,574	10.8						
Retail Bags	48,674	28,761 F	N/C	458,220	279,105 F	N/C						
Grocery Sacks & T-Shirt Bags	22,150	N/A		218,293	N/A							
All Other Retail Bags	6,235	N/A		72,738	N/A							
Trash Bags/Can Liners	20,289	D9		167,189	D9							
All Other Non-Packaging Film	19,071	32,702	N/C	164,204	282,469	N/C						
Sheet (Over 12 Mils)	27,363	28,435	-3.8	350,768	284,972	23.1						
Injection Molding, Total	132,077	139,286	-5.2	1,471,929	1,345,213	9.4						
Pails (5 gallons or less)	26,926	42,121	-36.1	397,820	405,098	-1.8						
Housewares	9,044	10,649	-15.1	100,047	102,495	-2.4						
Food Tubs/Containers & Drink Cups	27,987	22,906	22.2	291,865	238,874	22.2						
Crates and Totes	22,326	18,947	17.8	198,772	164,802	20.6						
Toys/Novelties/Sporting Goods	4,684	N/A		53,987	N/A							
Caps and Closures	8,927	N/A		100,591	N/A							
All Other Injection Molding	32,183	44,663	N/C	328,847	433,944	N/C						
Wire and Cable	11,238	11,473	-2.0	153,079	143,220	6.9						
Blow Molding, Total	243,196	248,036	-2.0	2,675,063	2,678,367	-0.1						
Motor Oil Bottles	18,131	14,976	21.1	212,759	180,004	18.2						
Liquid Food Bottles	80,254	80,123	0.2	877,579	831,820	5.5						
Household Chemical Bottles	78,999	81,984	-3.6	846,702	830,890	1.9						
Industrial Drums	12,351	18,582 G	N/C	128,036	239,312 G	N/C						
Gas Tanks, All Uses	3,254	N/A		34,094	N/A							
Pharm., Cosmetics, & Toiletries	18,256	N/A		207,266	N/A							
All Other Blow Molding	31,951	52,371	N/C	368,617	596,341	N/C						
Pipe and Conduit, Total	42,055	40,915	2.8	515,303	456,409	12.9						
Corrugated	9,851	7,430	32.6	97,164	87,881	10.6						
Non-Corrugated	32,204	33,485	-3.8	418,139	368,528	13.5						
Gas Distribution	11,232	N/A		133,622	N/A							
Water	D11	N/A		D11	N/A							
Industrial/Sewer	D11	N/A		D11	N/A							
All Other Non-Corrugated Pipe	20,972	N/A		284,517	N/A							
Other Extruded Products	3,856	6,901	-44.1	77,499	62,214	24.6						
Rotomolding	6,709	7,163	-6.3	69,378	66,056	5.0						
Reseller & Compounders, Total	75,216	54,517	38.0	779,819	658,155	18.5						
Resellers	73,092	49,459	47.8	731,918	599,999	22.0						
Compounders	2,124	5,058	-58.0	47,901	58,156	-17.6						
All Other HDPE	23,546	36,913	-36.2	273,319	257,814	6.0						

D9 = Disclosure: Included in Other Non-Packaging Film.
D11 = Disclosure: Included in All Other Non-Corrugated Pipe.
N/C = Not Comparable.
N/A = Not Available
F = Reported as Carry Out Bags in 1989.
G = Reported as Large Containers in 1989.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYPROPYLENE, TOTAL	724,509	623,550	16.2	7,623,400 R	6,718,462	13.5	758,764	579,091	31.0	7,652,796 R	6,649,957	15.1
Exports, Total	190,665	133,471	42.9	1,474,980 R	1,071,594	37.6						
Domestic, Total	533,844	490,079	8.9	6,148,420 R	5,646,868	8.9						
Injection Molding, Total	154,712	143,232	8.0	1,800,370	1,652,789	8.9						
Appliances	14,061	11,814	19.0	166,532	149,355	11.5						
Consumer Products	48,095	49,157	-2.2	593,673	524,380	13.2						
Rigid Packaging	51,479	47,683	8.0	599,809	556,352	7.8						
Transportation	25,914	18,909	37.0	275,709	249,930	10.3						
All Other Injection Molding	15,163	15,669	-3.2	164,647	172,772	-4.7						
Blow Molding	11,001	13,031	-15.6	134,390	119,033	12.9						
Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below), Total	53,744	46,139	16.5	558,419 R	542,227	3.0						
Oriented Film	45,379	35,546	27.7	455,411 R	418,692	8.8						
Non-Oriented Film	8,365	10,593	-21.0	103,008	123,535	-16.6						
Sheet (Over 10 Mils), Total	11,306	10,655	6.1	125,202	117,123	6.9						
Packaging	D	N/A		D	N/A							
Non-Packaging	D	N/A		D	N/A							
Extrusion Coating	1,657	D5		18,913	D5							
Wire and Cable	D5	D5		D5	D5							
Fiber and Filaments, Total	166,710	141,809	17.6	1,927,421	1,814,987	6.2						
Textile Applications	156,574	133,555	17.2	1,818,245	1,720,935	5.7						
Nonwovens	49,482	44,611	10.9	548,760	473,363	15.9						
Monofilament & Multifilament Fibers	51,799	36,372	42.4	631,478	704,686	-10.4						
Slit Film Fibers	55,293	52,572	5.2	638,007	542,886	17.5						
Non-Textile Monofilaments	10,136	8,254	22.8	109,176	94,052	16.1						
Pipe and Conduit	D5	D5		D5	D5							
Other Extruded Products	11,797	6,713	N/C	118,237	88,939	N/C						
Resellers/Distributors/Compounders, Total	115,185	118,768	-3.0	1,386,405	1,243,041	11.5						
Resellers	44,379	77,670 C	N/C	503,676	834,345 C	N/C						
Distributors	31,485	N/A		374,457	N/A							
Compounders	39,321	41,098	-4.3	508,272	408,696	24.4						
All Other Uses	7,732	9,732	-20.6	79,063 R	68,729	15.0						

D5 = Disclosure: Included in Other Extruded Products.
D = Disclosure
C = Reported as Resellers and Distributors in 1989.

N/C = Not Comparable
N/A = Not Available
R = Revision

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYSTYRENE RESINS, TOTAL (E)	376,524	432,904	-13.0	4,781,795 R	4,775,163	0.1	382,329	413,945	-7.6	4,626,331 R	4,701,757	-1.6
Crystal (Solid) Polystyrene	213,009	234,680 A	N/C	2,570,673 R	2,566,129 A	N/C	139,937	218,634 A	N/C	1,820,126 R	2,563,537 A	N/C
Rubber Modified Polystyrene	163,515	198,224	-17.5	2,211,122 R	2,209,034	0.1	171,243	195,311	-12.3	2,113,705 R	2,138,220	-1.1
Expandable Polystyrene	D13			D13			71,149			692,500 R		
Exports, Total	15,907	20,898	-23.9	173,154 R	206,890	-16.3						
Crystal (Solid) Polystyrene	11,331	11,228 A	N/C	100,620 R	113,938 A	N/C						
Rubber Modified Polystyrene	4,576	9,670	-52.7	72,534 R	92,952	-22.0						
Expandable Polystyrene	D13			D13								
Domestic, Total	360,617	412,006	-12.5	4,608,641 R	4,568,273	0.9						
Molding	123,004	164,954	-25.4	1,617,213 R	1,865,838	-13.3						
Extrusion	164,083	163,670	0.3	2,214,821 R	1,916,637	15.6						
Expandable Polystyrene	64,566	65,403	-1.3	645,806 R	638,783	1.0						
Block	26,430	26,782	-1.3	254,048	248,631	2.2						
Shape	14,735	16,021	-8.0	143,503	140,646	2.0						
Loose Fill	D6	D6		D6	D6							
Other EPS	23,401	22,600	3.5	247,755 R	249,506	-0.7						
All Other Uses	8,964	17,979	-50.1	131,301 R	147,015	-10.7						
Polystyrene End-Uses, Total	360,617	412,006	-12.5	4,608,641 R	4,568,273	0.9						
Packaging & One Time Use	125,201	148,039 B	-15.4	1,765,361 R	1,748,918 B	0.9						
Consumer & Institutional Products	37,341	50,499	-26.1	491,401 R	640,244	-23.2						
Electrical/Electronics	54,758	59,341	-7.7	638,634 R	598,440	6.7						
Furniture,Furnishings,Bldg. & Construction	27,501	25,996	5.8	306,714 R	285,365	7.5						
Expandable Polystyrene	64,566	65,403	-1.3	645,306 R	638,783	1.0						
Resellers and Compounders	40,243	43,565	-7.6	573,723 R	489,215	17.3						
All Other End-Uses	11,007	19,163	-42.6	187,502 R	167,308	12.1						

E = Estimate -- Data includes estimates for one company.
D13 = Included in Crystal(Solid) Polystyrene
A = Reported as Straight Polystyrene in 1989
B = Consists of Packaging & Disposable Food Serviceware lines reported in 1989.

N/C = Not Comparable
D = Disclosure
D6 = Disclosure: Included in Other EPS
R = Revision

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
ABS (ACRYLONITRILE-BUTADIENE-STYRENE), TOTAL	78,764	85,036	-7.4	1,089,426	1,134,098	-3.9	91,083	70,703	28.8	1,084,515	1,173,804	-7.6
SAN (STYRENE-ACRYLONITRILE), TOTAL	8,457	7,397	14.3	125,180	100,457	24.6	9,957	6,323	57.5	123,802	104,773	18.2
Total Exports	4,237	1,229	244.8	48,338	31,154	55.2						
Total Domestic	4,220	6,168	-31.6	76,842	69,303	10.9						
OTHER STYRENICS (40% OR MORE STYRENE), TOTAL	12,503	11,467	9.0	139,615	141,523	-1.3	12,752	8,934	42.7	132,059	126,204	4.6
ABS, SAN, & OTHER STYRENICS, TOTAL	99,724	103,900	-4.0	1,354,221	1,376,078	-1.6	113,792	85,960	32.4	1,340,376	1,404,781	-4.6
Total Exports	20,309	N.R. 1		216,649	N.R. 1							
Total Domestic	79,415	103,900	N/C	1,137,572	1,376,078	N/C						
Electrical/Electronics	D2	N.R. 2		D2	N.R. 2							
Building & Construction	9,276	9,811	-5.5	125,011	135,414	-7.7						
Transportation	29,627	29,579	0.2	354,511	361,396	-1.9						
Consumer & Institutional	12,670	N.R. 2		161,980	N.R. 2							
All Other Uses	27,842	64,510	N/C	496,070	879,268	N/C						
STYRENE BASED LATEXES, TOTAL*	87,907	86,000	2.2	1,001,923	954,756	4.9	82,756	87,189	-5.1	948,236	922,748	2.8
Carpet Backing	30,136	31,526	-4.4	367,723	351,058	4.7						
All Other Uses	57,771	54,474 J	6.1	634,200	603,698 J	5.1						
NYLON RESINS, TOTAL(6)	50,078	49,342	1.5	536,693	539,215	-0.5	N/A	N/A		N/A	N/A	
Imports, Total							N/A	N/A		N/A	N/A	
Exports, Total	6,892	6,006	14.8	72,497	71,644	1.2						
Domestic, Total	43,186	43,336	-0.3	464,196	467,571	-0.7	38,017	44,111	-13.8	519,993	526,233	-1.2
Injection Molding Grade	28,211	26,646	5.9	277,412	281,132	-1.3						
Extrusion Grade	12,011	13,063	-8.1	144,129	138,343	4.2						
Resellers & Compounders	2,345	2,825	-17.0	33,306	34,987	-4.8						
All Other Uses	619	802	-22.8	9,349	13,109	-28.7						
Nylon End-Uses, Total	43,186	43,336	-0.3	464,196	467,571	-0.7						
Automotive and Truck	15,282	N/A		158,883	N/A							
Electrical and Electronic	4,934	N/A		55,661	N/A							
Appliances	1,497	N/A		13,775	N/A							
Film and Coating	6,604	N/A		71,359	N/A							
Wire and Cable	2,857	N/A		31,762	N/A							
Monofilament	1,349	N/A		19,034	N/A							
Consumer	1,503	N/A		19,429	N/A							
Industrial/Machinery	3,627	N/A		40,942	N/A							
All Other End-Uses	5,533	N/A		53,351	N/A							

N.R.1 – Not Reported; Included in Total Domestic and All Other Uses.
N.R.2 – Not Reported; Included in All Other Uses.
* – Styrene Based Latexes Sales include some Canadian produced material.
J = Consists of All Other Uses, Paper Treating, and Textile Treating Lines reported in 1989.
N/C – Not Comparable.

N/A = Not Available
(6) – Includes sales from imports.
D2 = Disclosure: Included in All Other Uses.

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (DRY RESIN CONTENT)	656,661	726,736	-9.6	8,388,176	7,876,434	6.5	741,759	741,336	0.1	8,363,649	7,863,825	6.4
Homopolymer Resins, Including Blending & Latex	601,245	667,767	-10.0	7,747,334	7,207,321	7.5	676,402	673,247	0.5	7,691,564	7,187,450	7.0
Copolymer Resins, Including Blending & Latex	12,903	15,761	-18.1	175,376	200,622	-12.6	21,408	23,001	-6.9	195,785	203,971	-4.0
Dispersion Resins	42,513	43,208	-1.6	465,466	468,491	-0.6	43,949	45,088	-2.5	476,300	472,404	0.8
Exports, Total	77,105	116,838	-34.0	829,549	826,788	0.3						
Domestic, Total	579,556	609,898	-5.0	7,558,627	7,049,646	7.2						
Calendering, Total	71,217	73,360	-2.9	929,995	845,699	10.0						
Flooring	14,268	18,530	-23.0	196,796	200,950	-2.1						
Textile	6,526	8,119	-19.6	90,529	110,096	-17.8						
All Other Calendering Uses	50,423	46,711	7.9	642,670	534,653	20.2						
Coating, Total	24,145	28,488	-15.2	305,315	334,337	-8.7						
Flooring	10,580	12,571	-15.8	135,123	141,754	-4.7						
Textile and Paper Coating	7,722	8,120	-4.9	89,806	97,753	-8.1						
Protective Coatings	3,325	4,311	-22.9	44,286	47,239	-6.3						
Adhesives & All Other Coating Uses	2,518	3,486	-27.8	36,100	47,591	-24.1						
Extrusion, Total	394,291	397,850	-0.9	5,179,441	4,719,905	9.7						
Wire and Cable	24,769	30,860	-19.7	343,664	359,044	-4.3						
Film and Sheet, Packaging	16,983	26,201	-35.2	270,704	297,685	-9.1						
Film and Sheet, Non-Packaging	2,154	2,275	-5.3	37,201	45,750	-18.7						
Siding, Siding Acc. & Moble Home Skirting	53,758	60,277	-10.8	773,727	709,045	9.1						
Rigid Pipe and Tubing (except fittings)	258,309	230,949	11.8	3,219,169	2,795,966	15.1						
All Other Extrusion Uses	38,318	47,288	-19.0	534,976	512,415	4.4						
Molding, Total	35,148	42,764	-17.8	465,040	482,203	-3.6						
Bottles	16,209	20,233	-19.9	208,445	202,302	3.0						
Fittings (Rigid Pipe and Tubing)	12,712	9,059	40.3	151,726	136,589	11.1						
All Other Molding Uses	6,227	13,472	-53.8	104,869	143,312	-26.8						
Paste Processes (except coating), Total	14,257	14,238	0.1	171,497	162,757	5.4						
Plastisol Formulation	8,369	7,498	11.6	95,295	87,989	8.3						
All Other Paste Process Uses	5,888	6,740	-12.6	76,202	74,768	1.9						
Resellers & Compounders	28,424	26,729	6.3	343,364	292,907	17.2						
All Other Uses	12,074	26,469	-54.4	163,975	211,838	-22.6						

THE SOCIETY OF THE PLASTICS INDUSTRY
MONTHLY STATISTICAL REPORT
(Thousands of Pounds, Dry Weight Basis)

RESIN	SALES & CAPTIVE USE						PRODUCTION					
	NOVEMBER			YEAR-TO-DATE			NOVEMBER			YEAR-TO-DATE		
	1990	1989	% CHG	1990	1989	%CHG	1990	1989	% CHG	1990	1989	% CHG
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL (2)												
Exports, Total												
Domestic, Total												
Emulsion Paints												
Adhesives, Caulks and Sealants												
Paper Treating & Paper Coating												
Textile Treating												
Non-Woven Binders												
All Other Uses												
POLYVINYL ALCOHOL, TOTAL (3)												
Exports, Total												
Domestic, Total												
OTHER VINYL RESINS, TOTAL (4)	18,877	15,631	20.8	176,690	182,926	-3.4	19,550	17,490	11.8	204,059	202,434	0.8
Exports, Total	5,986	5,399	10.9	61,744	65,183	-5.3						
Domestic, Total	12,891	10,232	26.0	114,946	117,743	-2.4						
THERMOPLASTIC POLYESTER, TOTAL (6)	155,931	145,872	6.9	1,731,155	1,559,031	11.0	159,715	127,678	25.1	1,712,792	1,485,196	15.3
Exports, Total	36,298	20,096	80.6	342,127	266,772	28.2						
PET Bottle Grade Resin, Exports	D	D		D	D							
All Other Exports	D	D		D	D							
Domestic, Total	119,633	125,776	-4.9	1,389,028	1,292,259	7.5						
Domestic PET	N.R.	N.R.		N.R.	N.R.							
Solid State Phase Resin	D12	D12		D12	D12							
PET Bottle Grades	83,540	85,371	-2.1	966,727	867,146	11.5						
PET/PBT Resellers & Compounders	N.R.4	N/A		N.R.4	N/A							
All Other Thermoplastic Polyester	36,093	40,405	-10.7	422,301	425,113	-0.7						

(2) – The publishing of PVAC data has been suspended.

(3) – The publishing of PVOH data has been suspended.

(4) – Includes only polyvinyl butyral, polyvinyl formal, and polyvinylidene.

D12 = Disclosure: Included in All Other Thermoplastic Polyester.

N.R.4 = Not Reported: Included in All Other Thermoplastic Polyester.

N.R. = Not Reported

D = Disclosure

(6) – Includes sales from imports.

A8920-5A

The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

1275 K Street, N.W., #400
Washington, D.C. 20005
(202) 371-5200

FOR THE MONTH AND PERIOD ENDED

OCTOBER 31, 1990

DATA FOR CALCULATING
APPARENT CONSUMPTION OF
THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & YOUNG, WASHINGTON, D.C.
Association Services Group

NOTE TO USERS:
PLEASE USE THE FOLLOWING LEGEND WHEN
QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & YOUNG

Release Date: January 15, 1991

THE SOCIETY OF THE PLASTICS INDUSTRY, INC. CRS

MONTHLY STATISTICAL REPORT

(Millions of pounds, dry weight basis)(1) OCTOBER 1990

RESIN KIND	OCTOBER				YEAR-TO-DATE			
	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*	PRODUCTION	DOMESTIC SALES	IMPORTS	EXPORTS*
EPOXY RESIN, TOTAL	39.3	34.8	1.8	8.1	423.9 R	327.8 R	16.1	69.7
POLYESTER (UNSATURATED) RESINS, TOTAL	101.2	101.1	0.5	13.9	1,071.9	1,044.8 R	6.4	88.4
UREA RESINS, TOTAL **	133.3	127.1	2.0	3.2	1,290.0	1,240.3	16.9	33.7
MELAMINE RESINS, TOTAL **	18.5	15.7	0.5	2.2	169.7	148.1	4.1	13.7
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	262.0	261.5	3.7	6.9	2,531.0	2,494.2	35.1	81.8
THERMOSETTING RESINS, TOTAL	554.3	540.2	8.5	34.3	5,486.5 R	5,255.2 R	78.6	287.3
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	647.4	595.5	21.4	73.9	6,064.2	5,300.8 R	198.7	650.9
LINEAR LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL (6)	323.9	424.7	63.1	34.0	3,135.5	3,746.8 R	686.4	235.9
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	754.5	738.2	44.1	88.3	6,855.8 R	6,560.9 R	426.4	738.6
POLYPROPYLENE, TOTAL	704.3	579.7	5.4	166.6	6,870.2 R	5,614.8	47.0	1,482.2
ABS RESINS, TOTAL ** (ACRYLONITRILE-BUTADIENE-STYRENE)	118.9	109.4	6.0	22.4	993.4	1,010.7	66.2	156.6
SAN (STYRENE-ACRYLONITRILE) RESINS, TOTAL	14.2	7.4	0.3	8.9	113.8	72.6	5.3	86.8
OTHER STYRENICS **	101.3	106.0	0.5	21.1	984.8	1,041.1	3.8	151.8
POLYSTYRENE RESINS, TOTAL	430.5	430.8	4.6	25.1	4,239.1	4,239.7	69.0	248.8
NYLON RESINS, TOTAL (6)	51.0	43.4	7.5	13.9	482.0	421.0	66.9	132.2
POLYVINYL CHLORIDE & COPOLYMERS, TOTAL (Dry Resin content)	801.0	742.6	12.5	65.4	7,621.9 R	6,979.1	121.9	740.0
VINYL ACETATE MONOMER								
FOR POLYVINYL ACETATE, TOTAL (4)								
POLYVINYL ALCOHOL, TOTAL (4)								
OTHER VINYL RESINS	20.0	10.0	N/A	N/A	184.5	102.1	N/A	N/A
THERMOPLASTIC POLYESTER, TOTAL (6)	152.0	127.2	7.3	38.0	1,553.1	1,269.4	61.7	382.4
THERMOPLASTIC RESINS, TOTAL	4,119.0	3,914.9	172.7	557.6	39,098.3 R	36,359.0 R	1,753.3	4,986.2
GRAND TOTAL	4,673.3	4,455.1	181.2	591.9	44,584.8 R	41,614.2 R	1,831.9	5,273.5

(1) = Except phenolic resins which are reported on a gross weight basis.

(4) = The publishing of PVOH + PVAC data is temporarily suspended.

* Except for Epoxy Resin, Bureau of Census exports will differ from exports published in the SPI Monthly Statistical Report.

** = Domestic Sales include Exports.

(6) = Data includes Sales from Imports.

Monthly and Year-To-Date totals may not agree due to government revisions and rounding.

N/A = Not Available

R = Revision

Sources: Sales and Production – SPI Monthly Statistical Report

Imports – Bureau of the Census (IM 145)

Exports – Bureau of the Census (EM 545)

Compiled by ERNST & YOUNG, Washington, D.C., for SPI's COMMITTEE ON RESIN STATISTICS (CRS)

Copyright 1991 The Society of the Plastics Industry, Inc.
All rights reserved. Reproduction, resale or other reuse of this material without the expressed, written consent of SPI is prohibited.